PET PLASTIC SHEET MATERIAL

Description :

PET sheet is a thermoplastic sheet made of Polyethylene terephthalate resin. PET offers the capability to produce complex shapes, precise details, deep draws, and compound curves without worrying about durability. PET is easily formed, die-cut, and punched. It also brings increased design freedom and lower fabrication costs. In sheet form, PET has the impact strength and fabrication ease that acrylic can´t touch with the durability to significantly reduce packaging and shipping costs.

- Outstanding thermoforming characteristics, particularly in deep draw applications
- Good impact resistance
- Less brittle than acrylic
- Resistant to common cleaners used on point-of-purchase displays
- Allows for rigid thermoforming cycle times
- FDA-compliant grades available
- Impact strength greater than acrylic and approaches polycarbonate
- 86% light transparency compared to 87% for polycarbonate and 92% for acrylic
- Die cuts/punches easily
- Low forming temperature
- Printable
- Chemical resistant
- Self-extinguishing

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Technical Specifications :

Item	Typical Value	Testing Method
Intrinsic Viscosity (dL/g)	0.750+/-0.015	Ubbelodhe viscometer
Specific Gravity (kg/cm³)	1.27	ASTM D792
Moisture Absorption (%)	0.15	ASTM D570
Tensile Strength@Yield 50mm/min(inch/min) (kgf/cm²)	496	ASTM D638
Tensile Strength@Break 50mm/min(inch/min) (kgf/cm²)	281	ASTM D638
Elongation@Yield 50mm/min(2inch/min) (%)	3.7	ASTM D638
Elongation@Break 50mm/min(2 inch/min) (%)	136	ASTM D638
Flexural Strength 1.27mm/min(2 inch/min) (kgf/cm²)	620	ASTM D790
Flexural Strength 1.27mm/min(3 inch/min) (kgf/cm²)	20800	ASTM D790
Low temperature falling dart impact (g)	791	ASTM D358
Atmospheric temperature falling dart (g)	1701	ASTM D358
Lzod Impact Strength Notched@23 ℃ (J/m)	98	ASTM D256

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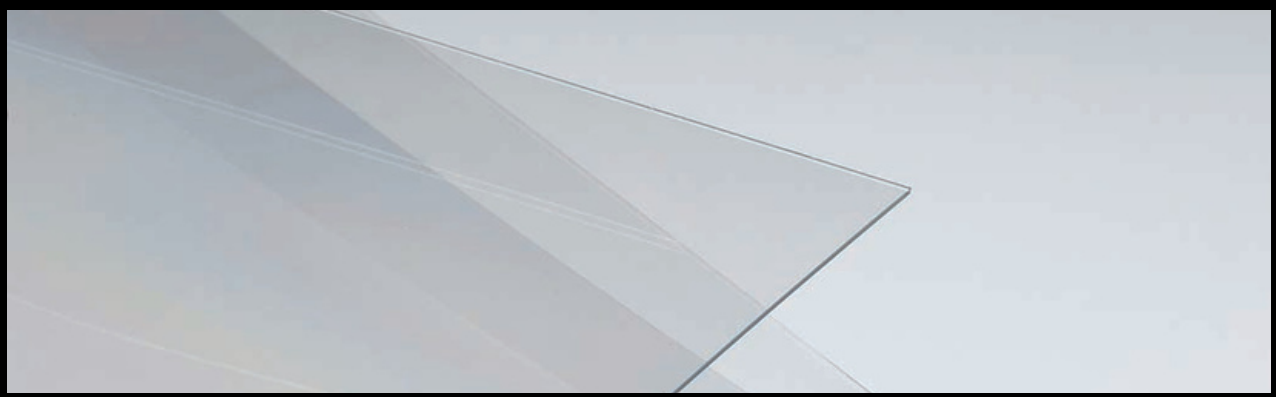
| Rockwell Hardness (℃) | 106 | R-scale |
| Heat Distortion Temperature 0.45Mpa(66 psi) (℃) | 77 | ASTM D648 |

MATERIAL PET-G

Descripción :

La plancha de PET es una plancha termoplástica fabricada con resina de tereftalato de polietileno. El PET permite producir formas complejas, detalles precisos, embuticiones profundas y curvas compuestas sin preocuparse por su durabilidad. El PET es fácil de moldear, troquelar y perforar. También aporta mayor libertad de diseño y menores costes de fabricación. En forma de lámina, el PET tiene una resistencia al impacto y una facilidad de fabricación que el acrílico no puede igualar, con una durabilidad que reduce significativamente los costes de embalaje y envío.



- Excelentes características de termoformado, especialmente en aplicaciones de embutición profunda
- Buena resistencia al impacto
- Menos quebradizo que el acrílico
- Resistente a los limpiadores habituales utilizados en los expositores para puntos de venta
- Permite tiempos de ciclo de termoformado rígidos
- Disponible en grados conformes a la FDA
- Mayor resistencia al impacto que el acrílico y se aproxima al policarbonato
- Transparencia a la luz del 86% frente al 87% del policarbonato y el 92% del acrílico
- Los troqueles se cortan y perforan fácilmente
- Baja temperatura de conformado
- Puede imprimirse en
- Resistente a los productos químicos
- Autoextinguible

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Ficha Técnica :

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